

## Gulf of Mexico Harmful Algal Bloom Bulletin

27 September 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: September 4, 2007

### Conditions Report

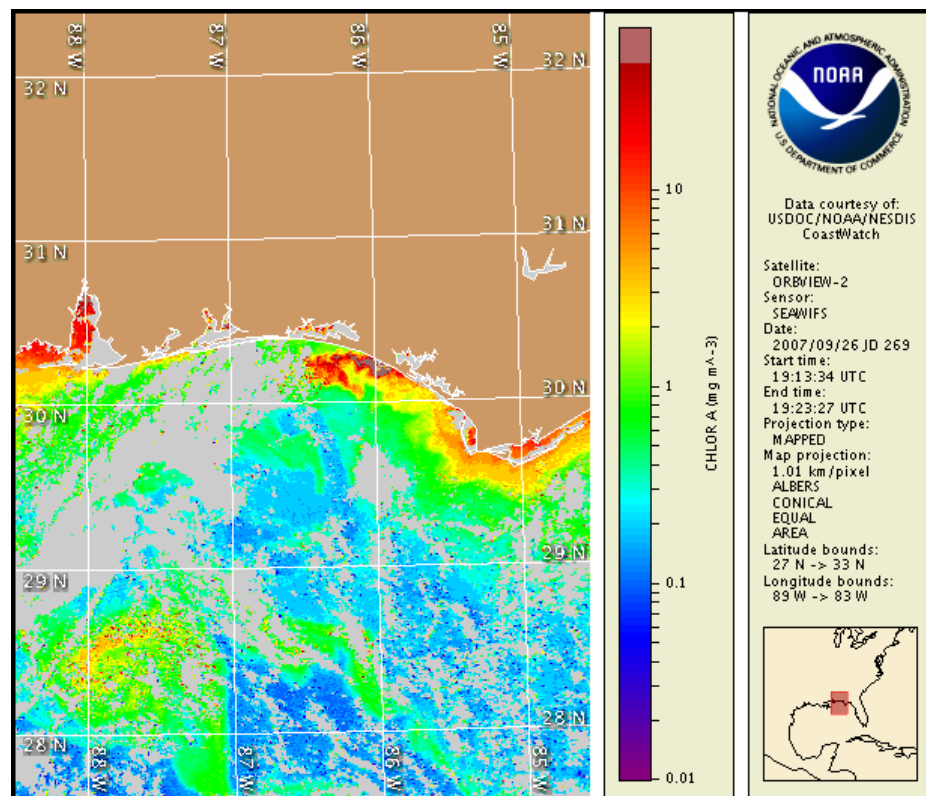
FL Panhandle: Harmful algae has been identified in Gulf County. No impacts are expected in the Florida Panhandle through Sunday September 30.

### Analysis

**\*\*This is a Supplemental Bulletin for the Florida Panhandle.\*\***

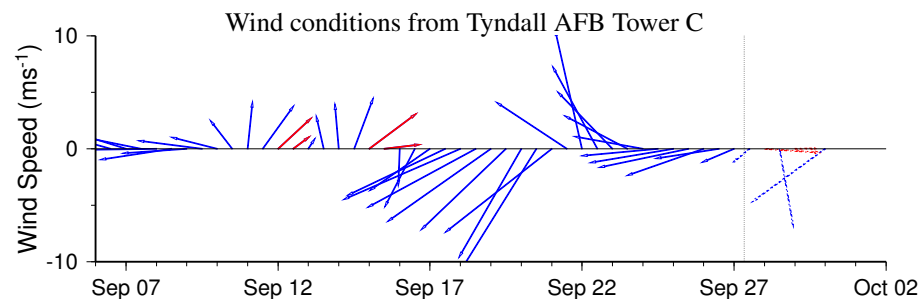
Very low concentrations of *Karenia brevis* have been confirmed in the St. Joseph's Bay region of the Florida Panhandle (9/24, FWRI). While satellite imagery does not provide an accurate representation of current chlorophyll levels inside the bay, chlorophyll appears elevated ( $4\text{--}5\mu\text{g/L}$ ) along the coast west of the bay, and in patches alongshore Bay and Walton Counties and offshore Okaloosa County. Chlorophyll levels are highest along the coast from  $30^{\circ}11.6'\text{N}$   $85^{\circ}53.8'\text{W}$  to  $30^{\circ}16.7'\text{N}$   $86^{\circ}3.0'\text{W}$ . No recent samples are available. Sampling is recommended.

-Allen, Fisher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 17 to 27 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

[http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

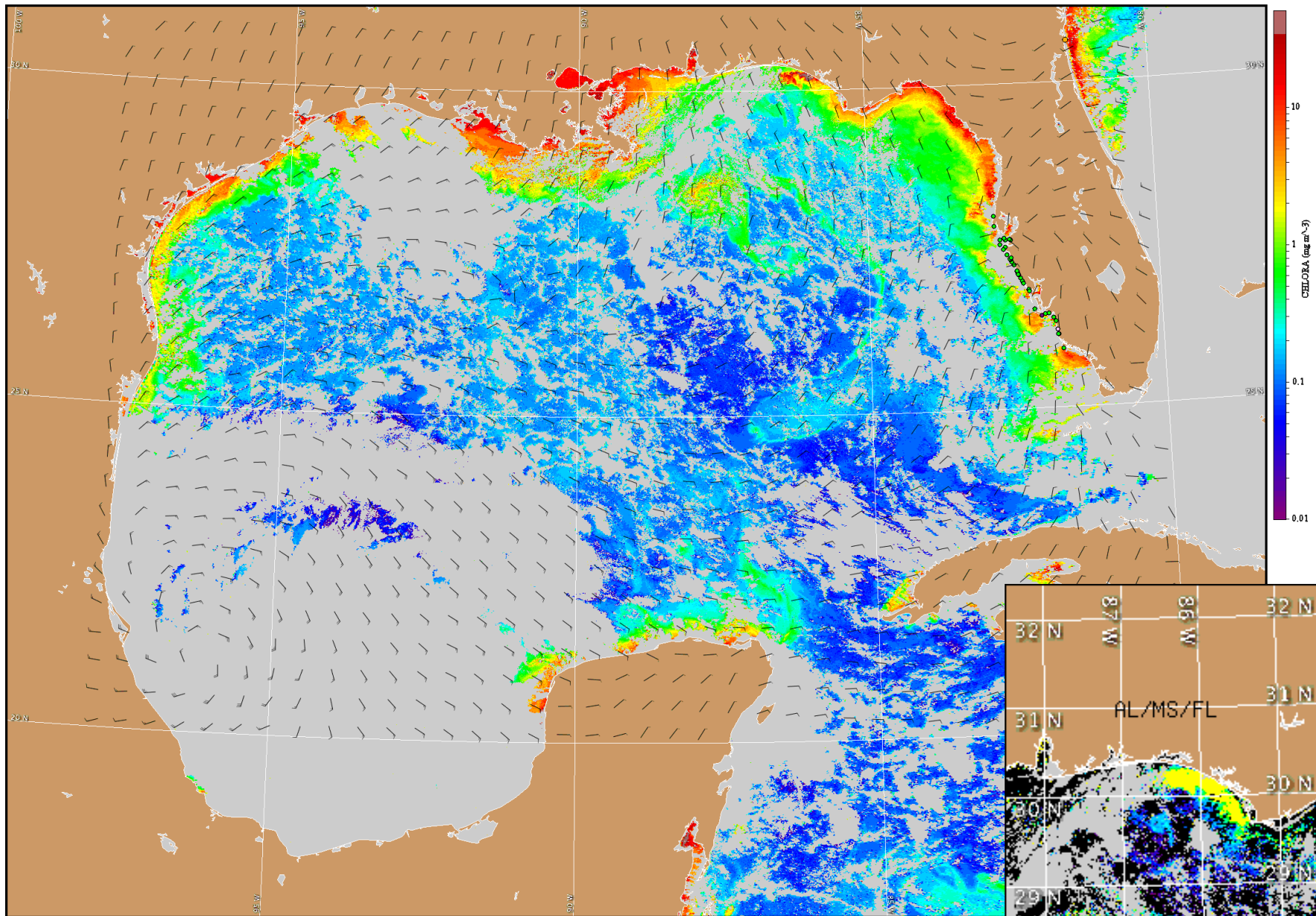


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

FL Panhandle: Northerly winds at 5-10 knots (3-5 m/s) today and tomorrow becoming northeasterly Friday night through Monday at 15-20 knots (8-10 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for September 28, 2007 12Z with Cell concentration sampling data from September 17 to 27 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habfs/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habfs/habfs_bulletin_guide.pdf)

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).